

**Historic, Archive Document**

Do not assume content reflects current  
scientific knowledge, policies, or practices.



7/  
M  
2



MONTHLY  
BIBLIOGRAPHY ON EXOTIC ANIMAL DISEASES

VOL. 8, NO. 9, SEPTEMBER 1970

PAGE NOS. 206 - 224

U. S. DEPT. OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY

OCT 21 1970

CURRENT SERIAL RECORDS

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
VETERINARY SCIENCES RESEARCH DIVISION  
PLUM ISLAND ANIMAL DISEASE LABORATORY  
POST OFFICE BOX 848  
GREENPORT, LONG ISLAND, NEW YORK 11944



EXPLANATORY NOTE

1. ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY DISEASE.
2. DISEASES ARE INDICATED AT THE BEGINNING OF EACH GROUP.
3. MULTIPLE SUBJECT AREA, TWO OR MORE DISEASES COVERED IN ARTICLE.
4. UNDER DISEASE, ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY AUTHOR'S NAME.
5. ON THE RIGHT MARGIN, "PIL", "NUMBER", AND "LIBRARY CLASSIFICATION CALL NUMBER" INDICATE ARTICLE APPEARS IN A PERIODICAL (JOURNAL) IN THE LIBRARY, PUBLICATION IS AVAILABLE IN THE "REPRINT-FILE" UNDER THE INDICATED NUMBER, AND BOOK IS AVAILABLE IN THE LIBRARY.

MULTIPLE SUBJECT AREA

## ANON.

Iowa veterinarian does voluntary service in Ethiopian clinic.  
Rinderpest; CBPP; FMD; AHS.

J. Amer. Vet. Med. Ass. 157(6):791-793, 1970.

PIL

## ASPLIN, F.D.

Examination of sera from wildfowl for antibodies against the  
viruses of duck plague, duck hepatitis and duck influenza.  
Duck plague; fowl plague.

Vet. Rec. 87(7):182-183, 1970.

PIL

## BURROWS, R.

The general virology of the herpesvirus group.  
FMD; Bovine mammillitis; AHS.

In: Proc. Int. Conf. Equine Infec. Dis., 2d, Paris, 1969,  
p. 1-12, ed. by J.T. Bryans, and H. Gerber. Basel/New York,  
Karger, 335 p., 1970.

SF 957 EQ64

## CLINE, B.L.

New eyes for epidemiologists: aerial photography and other  
remote sensing techniques.  
Venezuelan equine encephalomyelitis; Vesicular stomatitis.

Amer. J. Epidemiol. 92(2):85-89, 1970.

PIL

## ERSHOV, F.I., and AGABALYAN, A.S.

Titration of interferon based on the suppression of hemagglutinin  
synthesis.

Venezuelan equine encephalomyelitis.

Lab. Delo (4):228-231, 1970 (Russ.).

Chem. Abstr. 73(11):153(53960b), 1970.

PIL

## FOGGIE, A., and others.\*

Contagious agalactia of sheep and goats. Preliminary studies  
on vaccines.

Cont. agalactia of sheep and goats; M. mycoides.

J. Comp. Pathol. 80(3):345-358, 1970.

\*J.R. Etheridge, O. Erdag, and F. Arisoy.

PIL



MULTIPLE SUBJECT AREA

GIBBS, E.P.J., JOHNSON, R.H., and VOYLE, C.A.

Differential diagnosis of virus infections of the bovine teat skin by electron microscopy.

Bovine herpes mammillitis; foot-and-mouth disease, Vesicular stomatitis; Rinderpest; Lumpy skin disease.

J. Comp. Pathol. 80(3):455-463, 1970.

PIL

HARVEY, P.R.

Australia and exotic diseases.

African horse sickness; African swine fever.

Aust. Vet. J. 46(7):344, 1970.

PIL

HENDERSON, B.E., KIRYA, G.B., and HEWITT, L.E.

Serological survey for arboviruses in Uganda, 1967-69.

Rift Valley fever; Wesselsbron.

Bull. W.H.O. 42(5):797-805, 1970.

PIL

HENSON, J.B., and others.\*

Recent research on the virology, serology and pathology of equine infectious anemia.

VSV; Visna; Scrapie.

In: Proc. Int. Conf. Equine Infec. Dis., 2d, Paris, 1969, p. 178-199, ed. by J.T. Bryans, and H. Gerber. Basel/New York, Karger, 335 p., 1970.

\* T.C. McGuire, K. Kobayashi, K.L. Banks, W.C. Davis, and J.R. Gorham.

SF 957 EQ64

LEBEDENKO, L.A., IGNAT'EVA, V.S., and MUTUZCHIN, L.I.

Vy.edenie perevivaemoi linii kletok PPT-67 iz pochechnoi tkani telenka. (Isolation of a transplantable line of PPT-67 cells from calf renal tissue.)

Foot-and-mouth disease; Vesicular stomatitis.

Byull. Vses. Inst. Eksp. Vet. 4:69-70, 1968.

Translated from Ref. Zh. Biol., 1969, No. 10M271.

Biol. Abstr. 51(14):7820-7821(79811), 1970.

PIL

MEEK, E.S.

Antitumour and antiviral substances of natural origin.

Vesicular stomatitis; Venezuelan equine encephalitis.

In: Recent Result. Cancer Res. 28, ed. by P. Rentchnick, and others. New York, Springer-Verlag, 78 p., 1970.

RC 267 R4

MIRCHAMSY, H., and others.\*

Development of a camel kidney cell strain and its use in virology.

Vesicular stomatitis; Rinderpest.

Appl. Microbiol. 20(2):276-278, 1970.

\*S. Bahrami, M. Amighi, and A. Shafiyi.

PIL

MITCHELL, J.R.

Guide to meat inspection in the tropics. Farnham Royal, England, Commonwealth Agricultural Bureaux, 1970.

78 p. (Technical Communication No. 1)

CBPP; E.C. fever; FMD; Lumpy skin disease; Nairobi sheep disease; Rift Valley fever; Rinderpest; African swine fever.

#8455





MULTIPLE SUBJECT AREA

MURIITHI, I.E.

Control of animal diseases and the current zoo-sanitary situation in Kenya.

Rinderpest; CBPP; FMD; ASF; AHS.

Bull. Off. Int. Epizoot. 72(v.1):991-994, 1969.

PIL

MUSSGAY, M., ENZMANN, P.-J., and HORST, J.

Influence of an arbovirus infection (Sindbis virus) on the protein and ribonucleic acid synthesis of cultivated chick embryo cells.

Foot-and-mouth disease; Venezuelan equine encephalitis.

Arch. Gesamte Virusforsch. 31(1-2):81-92, 1970.

PIL

PAPADOPOULOS, O., ANSLOW, R.O., and HANSON, R.F.

Application of the immunodiffusion procedure to rapid identification of arboviruses and to detection of specific antibody in sentinel animals.

Vesicular stomatitis; African horse sickness.

Amer. J. Epidemiol. 92(2):145-150, 1970.

PIL

RAO, C.K.

Presidential address.

Pres. Indian Vet. Conf., 19th, Ranchi (Bihar), May 1970.

Rinderpest, Foot-and-mouth disease.

Indian Vet. J. 47(6):xii-xxii, 1970.

PIL

SHOPE, R.E.

Arboviruses.

Venezuelan encephalitis; Vesicular stomatitis.

In: Man. Clin. Microbiol. p. 548-552, ed. by John E. Blair, E.H. Lennette, and J.P. Truant. Bethesda, Md., American Society for Microbiology, xvii, 727 p., illus., 1970.

QR 63 M294

TURNER, G.S., SQUIRES, E.J., and MURRAY, H.G.S.

Inactivated smallpox vaccine. A comparison of inactivation methods.

Foot-and-mouth disease; Fowl plague.

J. Hyg.(Camb.) 68(2):1927-210, 1970.

PIL

WARREN, J.

Miscellaneous viruses.

Contagious ecthyma; FMD; VSV; VES.

In: Diagn. Proced. Viral Rickettsial Infec., 4th ed., p. 755-785, ed. by E.H. Lennette, and N.J. Schmidt. New York, American Public Health Ass., xx, 978 p., illus., 1969.

RB 37 A67

ZAKI ABDEL-HAI, H.

The zoo-sanitary position and methods of control used in U.A.R.

Lumpy skin disease; ASF; Teschen disease; FMD; Rinderpest;

CBPP; Sheep pox; Goat pox; AHS; Fowl plague.

Bull. Off. Int. Epizoot. 72(v.1):1029-1040, 1969.

PIL



AFRICAN HORSE SICKNESS

ERASMUS, B.J.

Discussion to Part VI: Opening discussion of African horse-sickness papers.

In: Proc. Int. Conf. Equine Infec. Dis., 2d, p. 222-226, held Paris, 1969, ed. by J.T. Bryans, and H. Gerber. Basel/New York, Karger, 335 p., 1970.

SF 957 Eq64

PLATT, H.

Discussions and short communications to Part I: Opening discussion of herpesvirus papers.

In: Proc. Int. Conf. Equine Infec. Dis., 2d, p. 56-62, held Paris, 1969, ed. by J.T. Bryans, and H. Gerber. Basel/New York, Karger, 335 p., 1970.

SF 957 Eq64

PRASAD, S., and GULRAJANI, T.S.

A note on the application of the agglutinating complement-absorption test in African horsesickness antigen-antibody system.

Indian J. Anim. Sci. 40(2):145-148, 1970.

PIL

ZAVAGLI, V.

Equine piroplasmosis.

In: Proc. Int. Conf. Equine Infec. Dis., 2d, p. 244-248, held Paris, 1969, ed. by J.T. Bryans, and H. Gerber. Basel/New York, Karger, 335 p., 1970.

SF 957 Eq 64

AFRICAN SWINE FEVER

BOOL, P.H., ORDAS, A., and SANCHEZ BOTIJA, C.

El diagnostico de la peste porcina africana por inmunofluorescencia.

English summary.

Bull. Off. Int. Epizoot. 72(v.1):819-839, 1969.

PIL

MENDOZA, T.

Peste porcina clasica en Venezuela.

Bull. Off. Int. Epizoot. 72(v.1):809-813, 1969.

PIL

PLCOWRIGHT, W., and others.\*

Experimental infection of the argasid tick, Ornithodoros moubata porcinus, with African swine fever virus.

Arch. Gesamte Virusforsch. 31(1-2):33-50, 1970.

\*C.T. Perry, M.A. Peirce, and J. Parker.

PIL

POLATNICK, J., and HESS, W.

Altered thymidine kinase activity in culture cells inoculated with African swine fever virus.

Amer. J. Vet. Res. 31(9):1609-1613, 1970.

PIL &  
H

SANCHEZ BOTIJA, C., and ORDAS, A.

Diagnostico diferencial de rutina de la peste porcina clasica y de la peste porcina africana por inmunofluorescencia y hemoadsorcion asociadas.

Bull. Off. Int. Epizoot. 72(v.1):763-784, 1969.

PIL



AFRICAN SWINE FEVER

- SANCHEZ BOTIJA, C., ORDAS, A., and GARCIA GONZALEZ, J.  
Investigacion de la presencia de anticuerpos en cerdos de  
focos de peste porcina africana con baja mortalidad.  
Su valor para el diagnostico.  
English summary.  
Bull. Off. Int. Epizoot. 72(v.1):841-847, 1969.

PIL

CAPRINE PLEUROPNEUMONIA

- KRAUSS, H., and WANDERA, J.G.  
Isolation and properties of Mycoplasma from the respiratory  
tract of sheep with jaagsiekte in Kenya.  
J. Comp. Pathol. 80(3):389-397, 1970.

PIL

CONTAGIOUS BOVINE PLEUROPNEUMONIA

- INHORN, S.L., and ALLEN, V.D.  
Mycoplasma infections.  
In: Diagn. Proced. Bact., Mycotic and Parasit. Infec.,  
5th ed., p. 602-625, ed. by H.L. Bodily, E.L. Updyke,  
and J.O. Mason. New York, American Public Health Associ-  
ation, xiv, 898 p., illus., 1970.

QR 65 A512d

- KARST, O.  
Contagious bovine pleuropneumonia: a plate complement fixation  
test employed at the Federal Department of Veterinary  
Research, Vom.  
Bull. Epizoot. Dis. Afr. 18(1):5-11, 1970.

PIL

- POLLACK, J. D., SOMERSON, N.L., and SENTERFIT, L.B.  
Isolation characterization, and immunogenicity of Mycoplasma  
pneumoniae membranes.  
Infec. Immun. 2(3):326-339, 1970.

PIL

- SETHI, K.K., and MULLER, H.E.  
Enzymatic degradation of human lipoproteins by mycoplasmas.  
Experientia 26(7):804-805, 1970.

PIL

- SIEGMANN, O.  
Apparition et importance de la mycoplasmosse dans l'elevage  
de jeunes volailles.  
English summary.  
Bull. Off. Int. Epizoot. 72(v.1):255-268, 1969.

PIL

- ZAKI ABDEL HAI, H.  
Contagious bovine pleuropneumonia in U.A.R.  
Bull. Off. Int. Epizoot. 72(v.1):55-59, 1969.

PIL



CONTAGIOUS ECTHYMA OF SHEEP

PETERS, D., and KUPER, H.

Die Nucleoidstruktur des Molluscum contagiosum-Virus während der Reifung. (The nucleoid structure of molluscum contagiosum virus during maturation.) English summary, p. 137-138.

Arch. Gesamte Virusforsch. 31(1-2):137-151, 1970.

PIL

DUCK PLAGUE

DARDIRI, A.H.

Transmission and certain disease features of duck plague.

In: Congr. World's Poult. Sci. Ass. 14th, Abstr. Sci. Commun., Secc. I-II, [v.17], p. 433-438 (Sp., E., G., Fr.). Madrid, 3 v., 1970.

SF 481 C74

GAUDRY, D., and others.\*

Mise en evidence du virus de la peste du canard dans un élevage de canards de Barbarie en France. (Demonstration of the duck-pest virus in a flock of ~~Muscovy~~ (sic. Muscovy) ducks in France.)

In: Congr. World's Poult. Sci. Ass., 14th, Abstr. Sci. Commun., Secc. I-II, [v.17], p. 531-536 (Sp., E., G., Fr.). Madrid, 3 v., 1970.

SF 481 C74

\*P. Precausta, G. de Saint-Aubert, J. Fontaine, J. Jansen, H. Kunst, and R. Wemmenhove.

WALKER, J.W., and others.\*

The impact of the introduction of duck virus enteritis (duck plague) to the commercial duck industry and other waterfowl in the United States.

In: Congr. World's Poult. Sci. Ass. 14th, Abstr. Sci. Commun., Secc. I-II, [v.17], p. 466-474 (Sp., E., G., Fr.). Madrid, 3 v., 1970.

\*C.J. Pflow, S.S. Newcomb, W.D. Urban, H.E. Nadler, and L.N. Locke.

SF 481 C74

EAST COAST FEVER

PURNELL, R.E.

Infection of the tick Rhipicephalus appendiculatus with Theileria parva using an artificial feeding technique. Res. Vet. Sci. 11(4):403-405, 1970.

PIL

EPHEMERAL FEVER

OTTE, E.

Virus diseases of cattle in Taiwan.

J. Taiwan Ass. Anim. Husb. Vet. Med. No. 12:1-22, 1968 (E.c.).

Vet. Bull 40(7):552(3399), 1970.

PIL







FOOT-AND-MOUTH DISEASE

ANDERSON, E.C., and others.\*

In vitro method for safety testing of foot-and-mouth disease vaccines.

J. Hyg. (Camb.) 68(2):159-172, 1970.

\*P.B. Capstick, G.N. Mowat, and F.B. Leech.

PIL

ANON.

Las vacunas antiaftosas.

--Editorial.

Gac. Vet. (Buenos Aires) 32(239)241-242, 1970.

PIL

BAUER, K., KAADEN, O.R., and MUSSGAY, M.

Experimentelle Untersuchungen über Allergien vom Spätyp nach der Schutzimpfung von Rindern mit Maul- und Klauenseuche. (Experimental research into allergies of a delayed type after preventive inoculation of cattle with foot and mouth disease.

English summary, p. 298.

Berlin. München. Tierärztl. Wochenschr. 83(15): 292-298, 1970.

PIL

BEVERIDGE, W.I.B.

Discussion to Part II: Opening discussion of influenza papers.

In: Proc. Int. Conf. Equine Infec. Dis., 2d, p. 118-124, held Paris, 1969, ed. by J.T. Bryans, and H. Gerber.

Basel/New York, Karger, 335 p., 1970.

SF 957 EQ64

BEYNON, A.G.

Future planning for foot-and-mouth disease control.

Pap. pres. B.V.A. Congr., September 13th-16th, 1970.

Vet. Rec. 87(7):209, 1970.

PIL

BOHM, H.O.

Über die desinfizierende Wirksamkeit des Präparates IOSAN gegenüber dem Virus der Maul- und Klauenseuche. (The disinfectant activity of IOSAN against foot-and-mouth disease virus.)

English summary, p. 381-382.

Deut. Tierärztl. Wochenschr. 77(15):377-382, 1970.

PIL

BOHM, H.O., and EISSNER, G.

MKS-Typendiagnosen in der Zeit vom 1. Januar bis 31.

Dezember 1968 in der Bundesforschungsanstalt für Viruskkrankheiten der Tiere in Tübingen am Neckar.

Deut. Tierärztebl. (5):219-220, 1969.

In: Arb. Bundesforschungsanst. Viruskr. Tiere (Tübingen) 14:No. 4, 1969, publ. 1969.

SF 745 T2

BREESE, S.S., Jun.

An indirect ferritin-tagged antibody system for foot-and-mouth disease virus.

J. Gen. Virol. 8(2):153-155, 1970.

PIL &  
#



FOOT-AND-MOUTH DISEASE

- BROWN, F., NEWMAN, J.F.E., and STOTT, E.J.  
Molecular weight of rhinovirus ribonucleic acid.  
J. Gen. Virol. 8(2):145-148, 1970. PIL
- BURROWS, R.  
Equine rhinoviruses.  
In: Proc. Int. Conf. Equine Infec. Dis., 2d, Paris, 1969,  
p. 154-164, ed. by J.T. Bryans, and H. Gerber. Basel/  
New York, Karger, 335 p., 1970. SF 957 EQ64
- DUMITRESCU, S.M., and others.\*  
Electron-optical study of the morphologic alterations produced  
by foot-and-mouth disease virus in swine kidney cells.  
Rev. Roum. Inframicrobiol. 5(4):263-267, 1968.  
Biol. Abstr. 51(14):7842(80031), 1970.  
\*R. Iftimovici, E. Pacurar, and V. Dohotaru. PIL
- DUTT, N.S.  
Work carried out on viral zoonoses at the Indian Veterinary  
Research Institute Mukteswar.  
Bull. Indian Soc. Malar. Commun. Dis. 5(3/4):  
285-288, 1968.  
Biores. Index 6(7):3589(48081), 1970. PIL
- FAYET, M.-T., ROUMIANTZEFF, M., and FARGEAUD, D.  
Analysis of the viral particles contained in a preparation of  
foot and mouth disease virus, by zonal centrifugation  
in a saccharose gradients.  
Rev. Immunol. Ther. Antimicrob. 33:335-344, 1969 (F.e.).  
Vet. Bull. 40(7):549(3373), 1970. PIL
- HEDGER, R.S., and DAWSON, P.S.  
Foot-and-mouth disease virus in milk; an epidemiological  
study.  
Vet. Rec. 87(7):186-188, 213, 1970. PIL
- HUGH-JONES, M.E.  
Epidemiological studies on the 1967/68 foot-and-mouth disease  
epidemic: the possible spread of infection by farm rats  
(*Rattus norvegicus*).  
Brit. Vet. J. 126(7):368-371, 1970. PIL
- HUGH-JONES, M.E., and WRIGHT, P.B.  
Studies on the 1967-8 foot-and-mouth disease epidemic.  
The relation of weather to the spread of disease.  
J. Hyg. (Camb.) 68(2):253-271, 1970. PIL
- JAKUBIK, J.  
Die Komplementbindungereaktion (Mikromethode) für den Antigen-  
und Antikörpernachweis bei der Schweinepest. [Complement  
fixation (micro-method) for the demonstration of hog  
cholera antigen and antibody]  
English summary, p. 115.  
Deut. Tierärztl. Wochenschr. 76(5):111-115, 1969. PIL



FOOT-AND-MOUTH DISEASE

- KAADEN, O.R., and EISSNER, G.  
 Untersuchungen zur Reo-e-Infektion der weissen Maus.  
 English summary, p. 377.  
 Arch. Gesamte Virusforsch. 27(2/4):364-378, 1969. PIL
- KIRYUTKIN, G.V., and IOZOV, A.A.  
 Dezinfitsiruyushchie svoistva nekotorykh polygaliodnykh soedinenii. (I.) / The disinfecting properties of some polyhaloid compounds. (I.) 7  
 German summary.  
 Tr. Vses. Nauch.-Issled. Inst. Vet. Sanit. 32:282-285, 1969.  
 Biol. Abstr. 51(16):9000-9001(91586), 1970. PIL
- LOBO, C.A.  
 Aphthous fever how to prevent this serious disease of our cattle.  
 Rev. Nac. Agr. (Bogota) 763:5-7, 1969.  
 Biores. Index. 6(7):3572(47367), 1970. PIL
- MAMMERICKX, M., and ANTOINE, O.  
 La response immunologique au vaccin antiaphteux des bovides atteints de leucose bovine enzootique.  
 Ann. Med. Vet. 114(3):139-145, 1970. PIL
- MARTINSEN, J.S.  
 The effect of agarose overlay on plaque formation by a small-plaque-forming virus of foot-and-mouth disease.  
 Res. Vet. Sci. 11(4):387-388, 1970. PIL & #/
- MAZHAR, S.H., and others.\*  
 A modified foot-and-mouth disease type 'O' virus as related to other type 'O' virus strains.  
 Proc. 6th Annu. Vet. Congr., Le Caire, 24 p., 1965.  
 Cited in: Inst. Fr. Fievre Aphteuse "Ref. Bibliogr.", S3 5984, April-May, 1970.  
 \*B.A. Botros, H.M. Elnemr, and A.M. Elbeltagi. ---
- MUNTIU, N.  
 L'immunité post-vaccinale dans la fièvre aphteuse et les principaux facteurs dont elle depend.  
 Bull. Off. Int. Epizoot. 72(v.1):1133-1155, 1969. PIL
- RAO, V. J., and VENKATASWAMI, V.  
 Effect of F.M.D. vaccination on histopathological changes on testicular tissue of cross-bred bulls. II.  
 Pres. Indian Vet. Conf., 19th, Ranchi (Bihar), May 1970.  
 Indian Vet. J. 47(6):xxiii, 1970. PIL
- STROHMAIER, K.  
 Strukturelemente des Virus der Maul-und Klauenseuche.  
 7th Viruskolloq. Deut. Forschungsgemeinsch., Marbur/Lahn, Sept. 11-12, 1969.  
 Cited in: Bundesforschungsanst. Viruskr. Tiere Tübingen, Jahresber., p. 22, 1969. #6041/F





FOWL PLAGUE

BARCLAY, G.R., and others.\*

Effect of polymerized orosomucoid on some strains of influenza virus.

Biochem. J. 111(3):353-357, 1969.

\*T.H. Flewett, E. Keller, H.B. Halsall, and S.P. Spragg. ✓

PIL

BEARD, C.W.

Demonstration of type-specific influenza antibody in mammalian and avian sera by immunodiffusion. ✓

Bull. W.H.O. 42(5):779-785, 1970.

PIL

GENDON, Y.Z., and others.\*

Changes in RNA synthesis in tissue culture cells infected with myxoviruses (Russian).

Vop. Virusol. (5)526-532, 1969.

Excerpta Med., Microbiol., Sect. 4 23(8):428-429 (2329), 1970. ✓

\*V.P. Ginsburg, G.Y. Soloviev, and L.M. Babushkina.

PIL

UPPAL, P.K.

Direct complement fixation test with avian infectious bronchitis virus in chickens.

J. Hyg.(Camb.) 68(2):211-219, 1970.

PIL

LOUPING ILL

BROTHERSTON, J.G., and BOYCE, J.B.

Development of a non-infective protective antigen against louping-ill (arbovirus group B). Laboratory experiments.

J. Comp. Pathol. 80(3):377-388, 1970.

PIL

FOSTER, W.N.M., and CAMERON, A.E.

Observations on ovine strains of tick-borne fever.

J. Comp. Pathol. 80(3):429-436, 1970.

PIL

ZLOTNIK, I., and HARRIS, W.J.

The changes in cell organelles of neurons in the brains of adult mice and hamsters during Semliki Forest virus and louping ill encephalitis.

Brit. J. Exp. Pathol. 51(1):37-42, 1970.

Vet. Bull. 40(7):551(3392), 1970.

PIL

RIFT VALLEY FEVER

KLEIN, F., and others.\*

Relationship between plaque assay and the mouse assay for titrating Rift Valley fever virus.

Proc. Soc. Exp. Biol. Med. 134(4):909-914, 1970.

\*B.G. Mahlandt, S.L. Eyler, and R.E. Lincoln.

PIL





RINDERPEST

WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON BIOLOGICAL  
STANDARDIZATION.

Twenty-second report. Geneva, 1970.

132 p. (WHO Technical Report Series No. 444)

WHO Chron. 24(8):380-381, 1970.

PIL

SCRAPIE

BECK, E., and others.\*

Neuropathological comparisons of experimental kuru in  
chimpanzees with human kuru; with a note on its  
relation to scrapie and spongiform encephalopathy.

In: Symp. Contrib. Pathog. Etiol. Demyelinating Dis.,  
1967, ed. by K. Burdzy, and P. Kallos; Addit. to Int.  
Arch. Allergy Appl. Immunol. 36:553-562. Basel/New York  
S.Karger, xi, 701 p., illus., 1969.

\*P.M. Daniel, M. Alpers, D.C. Gajdusek, and C.J. Gibbs, Jr.

RC 365 S986p

ECKROADE, R.J., and others.\*

Transmissible mink encephalopathy: experimental transmission  
to the squirrel monkey.

Science(Washington) 169(3950)1088-1090, 1970.

\*G.M. Zu Rhein, R.F. Marsh, and R.P. Hanson.

PIL

FIELD, E.J.

Invasion of the nervous system by "slow" virus: a study with  
scrapie agent.

In: Symp. Contrib. Pathog. Etiol. Demyelinating Dis.,  
1967, ed. by Krystina Burdzy, and P. Kallos; Addit.  
to Int. Arch. Allergy Appl. Immunol. 36:568-573. Basel/  
New York, S. Karger, xi, 701 p., illus., 1969.

RC 365 S986p

GAJDUSEK, D.C., and others.\*

Transmission experiments with kuru in chimpanzees and the  
isolation of latent viruses from the explanted tissues  
of affected animals.

Ann. N.Y. Acad. Sci. 162(Art. 1):529-550, 1969.

Excerpta Med., Microbiol., Sect. 4 23(8):424(2305), 1970.

\*N.G. Rogers, M. Basnight, and others.

PIL

GIBBS, C.J., JR., GAJDUSEK, D.C., and ALPERS, M.P.

Attempts to transmit subacute and chronic neurological  
diseases to animals; with a progress report on the  
experimental transmission of kuru to chimpanzees.

In: Symp. Contrib. Pathog. Etiol. Demyelinating Dis.,  
1967, ed. by K. Burdzy, and P. Kallos; Addit. to Int.  
Arch. Allergy Appl. Immunol. 36:519-522. Basel/New York,  
S.Karger, xi, 701 p., illus. 1969.

RC 365 S986p

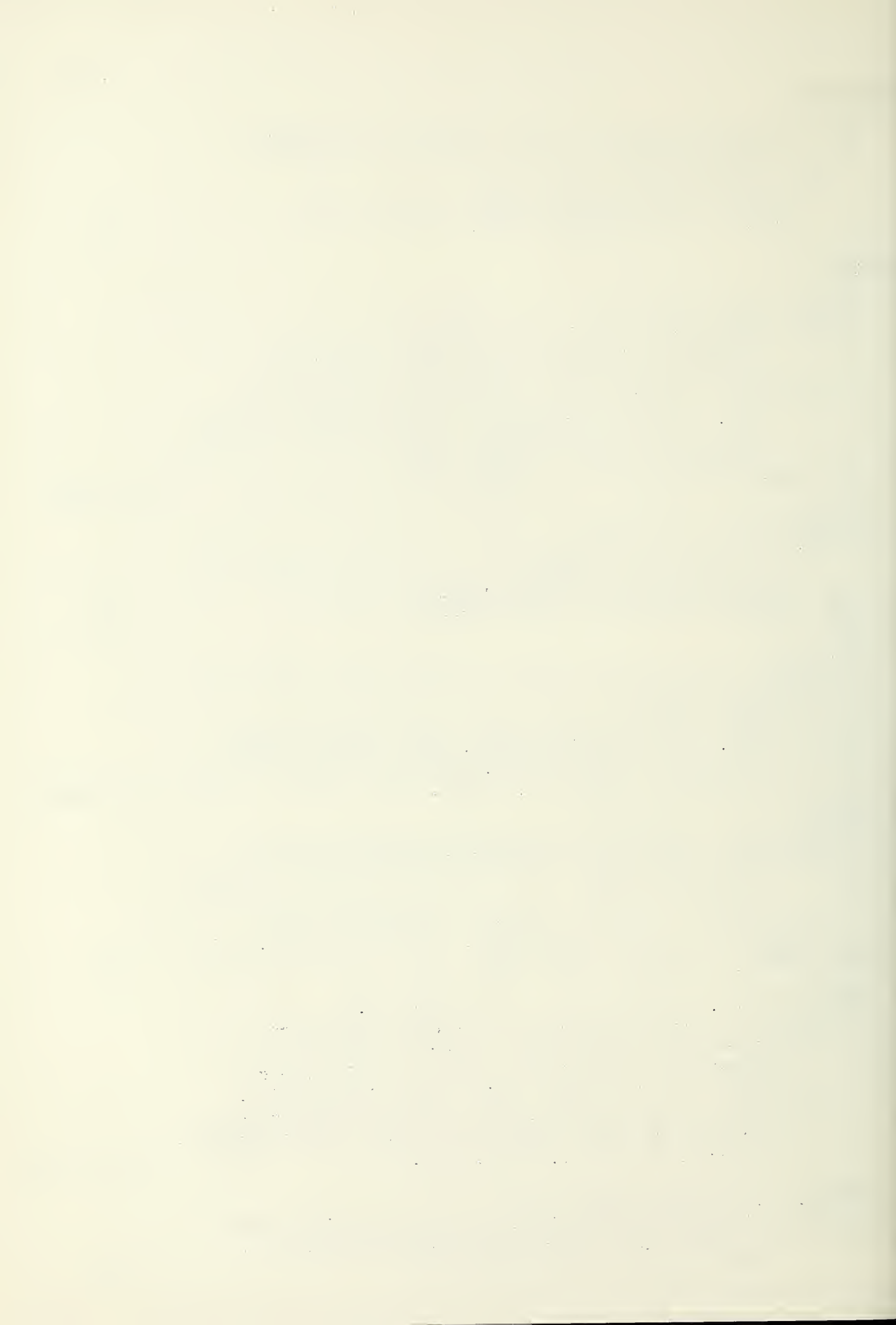
IVANOV, I., and KHARALAMBIEV, Kh.

Scrapie in sheep in Bulgaria and problems associated with it.

Vet. Med. Nauk. (Sofia) 7(1):11-20, 1970 (B.e.r.).

Vet. Bull. 40(7):554-555(3415), 1970.

PIL



SCRAPIE

LATARJET, R., and others.\*

Inactivation of the scrapie agent by near monochromatic ultraviolet light.

Nature (London) 227(5265):1341-1343, 1970.

\*B. Muel, D.A. Haig, M.C. Clarke, and T. Alper.

PIL

MOULD, D.L.

Inherited characteristics affecting neurotropic behaviour of scrapie.

Biochem. J. 111(3):17P, 1969.

PIL

REID, L.H., and GAJDUSEK, D.C.

Nutrition in the Kuru region.

II. A nutritional evaluation of traditional fore diet in Moke Village in 1957.

Acta Trop. 26(4):331-345, 1969.

#5901

TESCHEN DISEASE

HOORENS, J., and others.\*

Diagnostic de la peste porcine.

English summary.

Bull. Off. Int. Epizoot. 72(v.1):789-807, 1969.

\*De Meurichy, J. Leunen, L. Van Aert, and J. Thoonen.

PIL

KUBIN, G.

La lutte contre la peste porcine classique en Autriche.

English summary.

Bull. Off. Int. Epizoot. 72(v.1):589-601, 1969.

PIL

SCHNEIDER, L.G.

Die Pathogenese der Tollwut bei der Maus. II. Die Virusausbreitung innerhalb des ZNS. (The rabies pathogenesis in mice. II. Spread of virus in the CNS)

English summary, p. 1.

Zentralbl. Bakteriол., Parasitenk., Infektionskr.

Hyg. I. Abt. Orig. 212(1):1-13, 1969.

PIL

VENEZUELAN EQUINE ENCEPHALOMYELITIS

ACHA, P.N., and HUBBARD, H.B.

Some international aspects of veterinary public health.

J. Amer. Vet. Med. Ass. 155(12):2100-2103, 1969.

PIL

ANDERSEN, A.A., and HANSON, R.P.

Experimental transplacental transmission of St. Louis encephalitis virus in mice.

Infect. Immun. 2(3):320-325, 1970.

PIL

GRAYSON, M.A., and GALINDO, P.

Ecology of Venezuelan equine encephalitis virus in Panama.

J. Amer. Vet. Med. Ass. 155(12):2141-2145, 1969.

PIL



VENEZUELAN EQUINE ENCEPHALOMYELITIS

HANKINS, W.A., and HEARN, H.J.

Direct assessment of viral aerosols on cell cultures.

Appl. Microbiol. 20(2):284-285, 1970.

PIL

NEGRETTE, A.

Encefalitis equina Venezolana: formula leucocitaria relative.

(Venezuelan equine encephalitis: relative differential leukocyte count.)

English summary.

Biol. Abstr. 51(15):8423(85848), 1970.

PIL

PEKAREK, R.S., and others.\*

Effect of live attenuated Venezuelan equine encephalomyelitis virus vaccine on serum iron, zinc, and copper concentrations in man.

J. Lab. Clin. Med. 76(2):293-303, 1970.

Chem. Titles No. 18:171(0293), 1970.

\*G.A. Burghen, P.J. Bartelloni, F.M. Calia, K.A. Bostian, and W.R. Beisel.

PIL

U.S. AGRICULTURAL RESEARCH SERVICE. ANIMAL HEALTH DIVISION.

Reported arthropod-borne encephalidites in horses and other equidae: calendar year 1968. Hyattsville, Md., 1969.

7 p. (USDA - ARS 91-80)

Vet. Bull. 40(7):552(3394), 1970.

PIL

WENGER, F.

Necrosis cerebral masiva del feto en casos den encefalitis equina venezolana. (Massive cerebral necrosis of fetuses caused by the Venezuelan equine encephalitis virus.)

English and German summ.

Invest. Clin. (Maracaibo) 21:13-31, 1967.

Biol. Abstr. 51(16):8902(90616), 1970.

PIL

VESICULAR STOMATITIS

BURGE, B.W., and HUANG, A.S.

Comparison of membrane protein glycopeptides of Sindbis virus and vesicular stomatitis virus.

J. Virol. 6(2):176-182, 1970.

PIL

CAMPBELL, J.B., BUERA, J.G., and TOBIAS, F.M.

Influence of blood clearance rates on interferon production and virulence of Mengo virus plaque mutants in mice.

Can. J. Microbiol. 16(9):821-826, 1970.

PIL

DONALDSON, A.I.

Bats as possible maintenance hosts for vesicular stomatitis virus.

Amer. J. Epidemiol. 92(2):132-136, 1970.

PIL





VESICULAR STOMATITIS

- DUESEBERG, P.H., MARTIN, G.S., and VOGT, P.K.  
Glycoprotein components of avian and murine RNA tumor viruses.  
Virology 41(4):631-646, 1970. PIL
- GRAFF, S., KASSEL, R., and KASTNER, O.  
Interferon.  
Trans. N.Y. Acad. Sci., Ser. II 32(5):545-556, 1970. PIL
- GRESSER, I., and others.\*  
Interferon and cell division, I. Inhibition of the multiplication of mouse leukemia L 1210 cells in vitro by interferon preparations.  
Proc. Nat. Acad. Sci. U.S.A. 66(4):1052-1058, 1970.  
\*D. Brouty-Boye, M-T. Thomas, and A. Macieira-Coelho. PIL
- HALLUM, J.V., THACORE, H.R., and YOUNGNER, J.S.  
Factors affecting the sensitivity of different viruses to interferon.  
J. Virol. 6(2):156-162, 1970. PIL
- KRUEGER, R.F., and MAYER, G.D.  
Tilorone hydrochloride: an orally active antiviral agent.  
Science(Washington) 169(3951):1213-1214, 1970. PIL
- LAFAY, F., and BERKALOFF, A.  
Etude des mutants thermosensibles du virus de la stomatite vesiculaire. Mutants de maturation. (The study of thermosensitive mutants of the vesicular stomatitis virus. Maturing mutants.)  
C.R. Hebd. Seances Acad. Sci., Ser. D, Sci. Natur.(Paris) 269(11):1031-1034, 1969.  
Biol. Abstr. 51(15):8384-8385(85481), 1970. PIL
- LINDENMANN, J.  
Immunogenicity of oncolysates obtained from Ehrlich ascites tumors infected with vesicular stomatitis virus.  
Arch. Gesamte Virusforsch. 31(1-2):61-70, 1970. PIL
- LINDH, H.F., and others.\*  
Polyinosinic-cytidylic acid complex (poly I:C) and viral infections in mice.  
Proc. Soc. Exp. Biol. Med. 132(1):83-87, 1969.  
\*H.L. Lindsay, B.R. Mayberry, and M. Forbes. PIL
- MAYER, G.D., and KRUEGER, R.F.  
Tilorone hydrochloride: mode of action.  
Science(Washington) 169(3951):1214-1215, 1970. PIL
- MIFUNE, K., DESMYTER, J., and RAWLS, W.E.  
Effect of exogenous interferon on rubella virus production in carrier cultures of cells defective in interferon production.  
Infect. Immun. 2(2):132-138, 1970. PIL





VESICULAR STOMATITIS

- PETRIC, M., and PREVEC, L.  
Vesicular stomatitis virus--a new interfering particle,  
intracellular structures, and virus-specific RNA.  
Virology 41(4):615-630, 1970. PIL
- PIRTLE, E.C., MENGELING, W.L., and CHEVILLE, N.F.  
Initiation and characterization of two procine embryonal  
nephroma cell lines.  
Amer. J. Vet. Res. 31(9):1601-1608, 1970. PIL
- ROSSMAN, T.G., and VILCEK, J.  
Blocking of interferon action by a component of normal serum.  
Arch. Gesamte Virusforsch. 31(1-2):18-27, 1970. PIL
- SREEVALSAN, T.  
Homologous viral interference: induction by RNA from defective  
particles of vesicular stomatitis virus.  
Science(Washington) 169(3949):991-993, 1970. PIL
- STANCEK, D., GRESSNEROVA, M., and PAUCKER, K.  
Isoelectric components of mouse, human, and rabbit interferons.  
Virology 41(4):740-750, 1970. PIL
- STECK, F., and others.\*  
Nachweis von IBR-IPV-Virus, Klinik und Pathologie bei zwei  
Ausbruchen von Blaschenseuche. (Proof of IBR-IPV virus,  
clinical examination and pathology of two outbreaks of  
vesicular stomatitis.)  
Fr., Ital., and Engl. summaries.  
Schweiz. Arch. Tierheilk. 111(1):13-32, 1969.  
Biol. Abstr. 51(16):8985(91422), 1970.
- \*W. Raaflaub, H. Konig, and H. Ludwig. PIL
- STRANDER, H., and others.\*  
Interferon response of lymphocytes in disorders with decreased  
resistance to infections.  
Clin. Exp. Immunol. 6(2):263-272, 1970.
- \*K. Cantell, J. Leisti, and E. Nikkila. PIL
- TUCKER, N., and KAPIKIAN, A.Z.  
Viral growth patterns in an iris organ culture system.  
Arch. Ophthalmol. 82(3):372-376, 1969.  
Biol. Abstr. 51(15):8392(85553), 1970. PIL
- ZAJAC, B.A., and HUMMELER, K.  
Morphogenesis of the nucleoprotein of vesicular stomatitis  
virus.  
J. Virol. 6(2):243-252, 1970. PIL
- ZAJAC, B.A., HENLE, W., and HENLE, G.  
Autogenous and virus-induced interferons from lines of  
lymphoblastoid cells.  
Cancer Res. 29(8):1467-1475, 1969. PIL



VISNA DISEASE

HENSON, J.B., and others.\*

Immunity in equine infectious anemia.

J. Amer. Vet. Med. Ass. 155(2,Part 2):336-343, 1969.

\*J.R. Gorham, K. Kobayashi, and T.C. McGuire.

PIL

WEILAND, F., and BEHRENS, H.

Zum Auftreten der Progressiven Interstitiellen Pneumonie

(Maedi) des Schafes in Norddeutschland. [The occurrence of progressive interstitial pneumonia (maedi) of sheep in Northern Germany.]

English summary, p. 376.

Deut. Tierärztl. Wochenschr. 77(15):373-376, 1970.

PIL

MISCELLANEOUS

ABDOU, N.I., and RICHTER, M.

The secondary antibody response in tissue culture. IV. Studies of the in vivo and in vitro antigenicity of native, aggregate-free and aggregated human gamma globulin in rabbits.

Immunology 18(6):833-841, 1970.

PIL

ALSAGER, D.E.

An improved technique for repeated intravenous injections in fowl.

Vet. Med. Small Anim. Clin. 65(9):895-898, 1970.

PIL

ANDERSON, N.G.

Evolutionary significance of virus infection.

Nature(London) 227(5265):1346-1347, 1970.

PIL

ANDREWS, E.J.

Toxicity of Millipore filter detergent to diffusion chamber cultures.

Transplantation 10(3):267-270, 1970.

PIL

BERGOLD, G.H., and MUNZ, K.

Characterization of Piry virus.

Arch. Gesamte Virusforsch. 31(1-2):152-167, 1970.

PIL

BORDEN, E.C., GARY, G.W., JR., and MURPHY, F.A.

Comparison of agar and agarose preparations for mengovirus plaque formation.

Appl. Microbiol. 20(2):289-291, 1970.

PIL

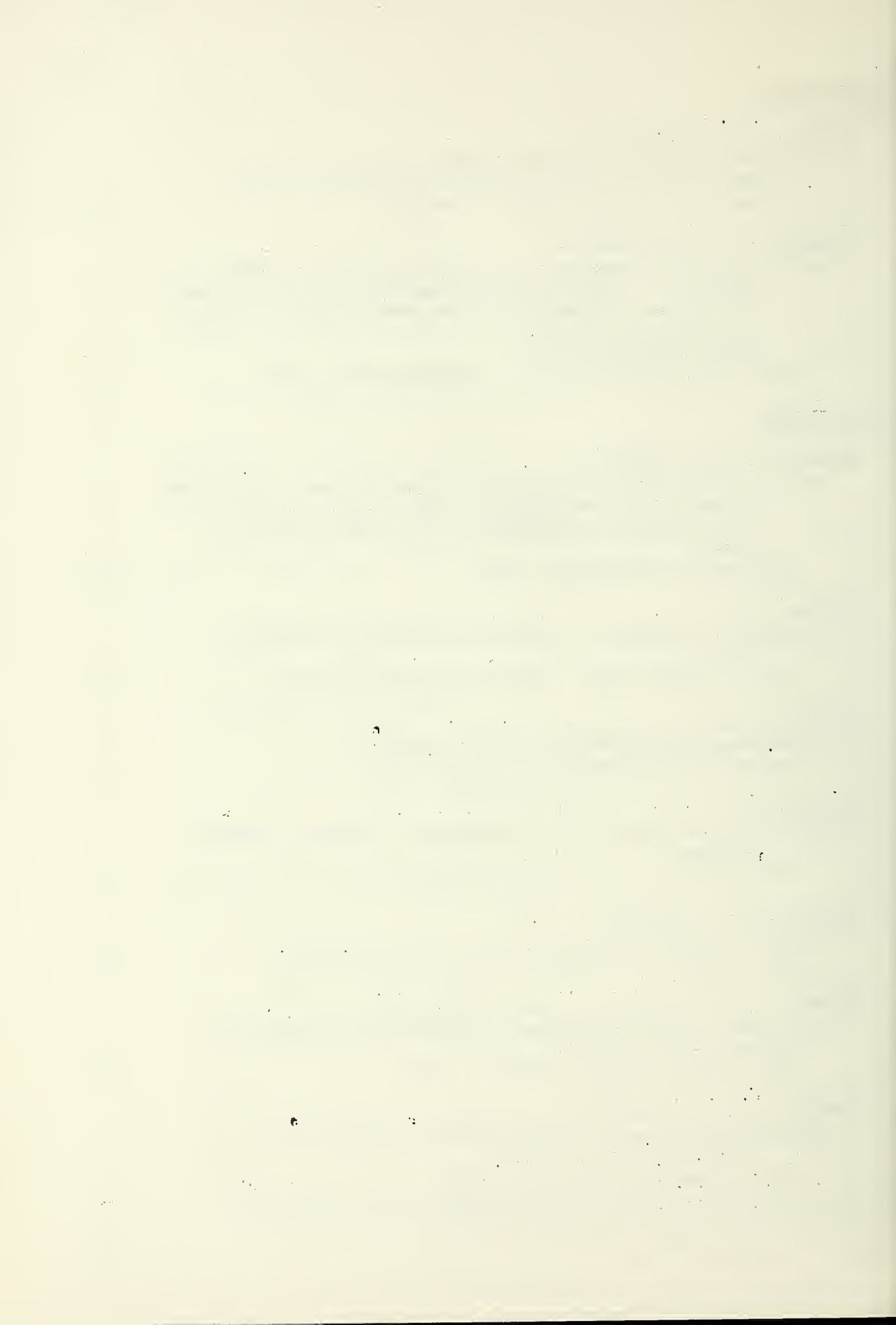
BRANTLEY, J.N., and others.\*

K-series centrifuges. IV. Measurement and control of temperature.

Anal. Biochem. 36(2):434-442, 1970.

\*D.D. Willis, J.P. Breillatt, R.F. Gibson, L.C. Patrick, and N.G. Anderson.

PIL



MISCELLANEOUS

CHAUHAN, H.V.S., and SINGH, C.M.

The clinical pathology of maedi of sheep in India.

Brit. Vet. J. 126(7):364-367, 1970.

PIL

CHETVERIKOVA, L.K., and others.\*

Method for increasing the regularity of isolation of  
infectious ribonucleic acid from influenza virus.

J. Virol. 6(2):183-187, 1970.

\*R.Y. Polyak, L.G. Yukhnova, and A.A. Smorodintsev.

PIL

CLUFF, L.E.

Effects of endotoxins on susceptibility to infections.

--Review article.

J. Infec. Dis. 122(3):205-215, 1970.

PIL

DEMUS, H., and MEHL, E.

Identification of water-insoluble membrane proteins by immuno-  
electrophoresis in a solubilizing urea-Triton solvent.

Biochim. Biophys. Acta 211(2):148-157, 1970.

PIL

DOLIN, R., and others.\*

Establishment of human fetal intestinal organ cultures for  
growth of viruses.

J. Infec. Dis. 122(3):227-231, 1970.

\*N.R. Blacklow, R.A. Malmgren, and R.M. Chanock.

PIL

EDWARD, A.G.

Low cost laboratory animal housing.

Lab. Anim. Dig. 6(2):7-10, 1970.

CIRC.FILE

FISCHLER, H.A.

Photography in the laboratory. Photomicrography system:  
an inexpensive teaching tool.

Lab. Manage. 8(8):23-24, 1970.

PIL

FURTHMAYR, H., and TIMPL, R.

Immunochemical studies on structural proteins of the red  
cell membrane.

Eur. J. Biochem. 15(2):301-310, 1970.

PIL

JONAS, W.E.

A component of complement in some body fluids of sheep.

Res. Vet. Sci. 11(4):327-333, 1970.

PIL

KINARD, R.

Cancer viruses in primates.

[Newborn simians are inoculated with viruses and neo-  
plastic cells in an attempt to induce leukemia.]

Science(Washington) 169(3948):828-831, 1970.

PIL

KOHN, J.

A waste-trap-sterilising method.

Lancet II(7672):550-551, 1970.

PIL





MISCELLANEOUS

KROHN, K., and others.\*

Electron microscopical and immunological observations  
on the serum-hepatitis (S.H.) antigen in primary biliary  
cirrhosis.

Lancet 2(7669):379-383, 1970.

\*W.D.C. Finlayson, P.T. Jokelainen, K.E. Anderson, and A.M. Prince. PIL

LEVINSON, W., and others.\*

Presence of DNA in Rous sarcoma virus.

[<sup>14</sup>C]DNA has been isolated from the virion of Rous sarcoma  
virus. It consists of two components which seem to cor-  
respond to the two species of DNA synthesized in vitro  
by the recently identified virion RNA-dependent DNA  
polymerase.<sup>17</sup>

Nature(London) 227(5262):1023-1025, 1970.

\*J.M. Bishop, N. Quintrell, and J. Jackson. PIL

MERRIAM, E.V., DUMAS, L.B., and SINSHEIMER, R.L.

A method of analysis of DNA by annealing on a DNA cullulose  
column.

1. Anal. Biochem. 36(2):389-395, 1970.

PIL

MODABBER, F., and SERCARZ, E.

Antigen binding and the immune response. I. The early primary  
response to a protein antigen.

J. Immunol. 105(2):355-361, 1970.

PIL

MONROE, J.H., and BRANDT, P.M.

Rapid semiquantitative method for screening large numbers of virus  
samples by negative staining electron microscopy.

Appl. Microbiol. 20(2):259-262, 1970.

PIL

ROBB, J.A., and MARTIN, R.G.

Genetic analysis of simian virus 40. I. Description of  
microtitration and replica-plating techniques for virus.

Virology 41(4):751-760, 1970.

PIL

RUYS, T.

Flexibility in lab design, Part V. How flexible are existing  
laboratories?

Lab. Manage. 8(9):24-25, 1970.

PIL

SMITHIES, O.

Pathways through networks of branched DNA.

Science (Washington) 169(3948):882-883, 1970.

PIL

SPENDLOVE, R.S., McCLAIN, M.E., and LENNETTE, E.H.

Enhancement of reovirus infectivity by extra-cellular re-  
moval or alteration of the virus capsid by proteolytic  
enzymes.

J. Gen. Virol. 8(2):83-94, 1970.

PIL





MISCELLANEOUS

SPIEGELMAN, S., and others.\*

DNA-directed DNA polymerase activity in oncogenic RNA viruses.

["Besides having RNA-dependent DNA polymerase activity, oncogenic RNA viruses possess a DNA-directed DNA polymerase which is distinguished from previously described enzymes of this type in preferring double-stranded DNA as template and yielding a principally double-stranded product." ]

Nature(London) 227(5262):1029-1031, 1970.

\*A. Burny, M.R. Das, J. Keydar, J. Schlom, M. Travnicek, and K. Watson.

PIL

THOMAS, G.

An adhesive surface sampling technique for airborne viruses.

J. Hyg.(Camb.) 68(2):273-282, 1970.

PIL

TULLY, J.G., and RAZIN, S.

Acholeplasma axanthum, sp. n.: a new sterol-nonrequiring member of the Mycoplasmatales.

J. Bacteriol. 103(3):751-754, 1970.

PIL

WEAR, D.J., and RAPP, F.

Encephalitis in newborn hamsters after intracerebral injection of attenuated human measles virus.

Nature(London) 227(5265):1347-1348, 1970.

PIL

YGUERABIDE, J., EPSTEIN, H.F., and STRYER, L.

Segmental flexibility in an antibody molecule.

J. Mol. Biol. 51(3):573-590, 1970.

PIL

ZOLA, H., BAXENDALE, W., and SAYER, L.J.

Polyacrylamide gel electrophoresis of lysates of mycoplasmas.

Res. Vet. Sci. 11(4):397-399, 1970.

PIL

